

C L A I M S

1. A single pull control horn for controlling movement of a component of a radio-controlled vehicle, comprising:

(a) a threaded locking member, a positioning means for a threaded rod member, and a control arm being mounted on the threaded rod member;

(b) the positioning means controlling a position of the threaded rod member; and

(c) the threaded locking member controlling a position of the control arm.

2. The single pull control horn of Claim 1 further comprising:

(a) the positioning means including a threaded base member mounted on a threaded rod;

(b) the positioning means including a first short clamping member and a first base member; and

(c) the positioning means maintaining the control arm perpendicular to a central axis of the component.

3. The single pull control horn of Claim 2 further comprising:

(a) the threaded locking member being supported by a second short clamping member while mounted on the threaded rod;

(b) the first short clamping member and the first base member being on a first side of the component; and

(c) the threaded base member and the second short clamping member being on a first side of the component.

4. The single pull control horn of Claim 3 further comprising:

(a) the threaded rod passing through the first short clamping member, the first base member, the component, the second short clamping member, and the threaded locking member, sequentially; and

(c) the control arm being mounted on the threaded locking member.

5. The single pull control horn of Claim 4 further comprising:

(a) the first short clamping member and the second short clamping member being similar in shape;

(b) the first short clamping member having a planar surface and an opposingly located raised section; and

(c) the raised section having an outer surface that is partially spherical in shape.

6. The single pull control horn of Claim 5 further comprising:

(a) a first opening being located in the first short clamping member;

5 (b) a second opening being located in the second short clamping member; and

(c) the first opening and the second opening receiving the threaded rod member.

7. The single pull control horn of Claim 6 further comprising:

(a) the threaded locking member having a cavity;

5 (b) the cavity being adapted to engage the raised section of the clamping member and assist with a positioning of the threaded rod;

(c) the threaded locking member having an internally threaded bore;

10 (d) the threaded rod coacting with the internally threaded bore; and

(e) the first short clamping member, the first base member, the second short clamping member, and the threaded locking member cooperating to position the threaded rod member.

8. The single pull control horn of Claim 7 further comprising:

(a) the threaded locking member having a cavity;

(b) the cavity being adapted to cooperate with an opposingly located raised section of the second short clamping member; and

(c) the cavity assisting with a position of the threaded rod member.

9. The single pull control horn of Claim 8 further comprising:

(a) the cavity creating a coaction between an opposingly located raised section of the second short clamping member;

(b) the threaded locking member having an adjustable position relative to the second short clamping member in order to position the threaded; and

(c) the first short clamping member, the first base member, the second short clamping member, and the threaded locking member coacting to position the threaded rod member in a desired position.

10. The single pull control horn of Claim 9 further comprising:

(a) the threaded rod member being substantially perpendicular to a centerline of a component; and

(b) the cavity having a tapered shape, thereby permitting the first clamping member and the second clamping to move by eliminating interference with the threaded rod.

11. The single pull control horn of Claim 10 further comprising:

(a) the first base member having a planar surface in contact with the component and an opposingly located raised section;

(b) the opposingly located raised section having an outer surface at least partially spherical in shape;

(c) the first base member having a base opening;

(d) the base opening extending through the base member;

and

(e) the base opening receiving the threaded rod therethrough.

12. The single pull control horn of Claim 11 further comprising:

(a) the cavity engaging the spherical outer surface of the clamping member;

(b) the cavity engaging communicating with and an internally threaded bore of the threaded rod.

13. A single pull control horn for controlling movement of a component of a remote-controlled vehicle, comprising:

(a) a threaded locking member, a positioning means for a threaded rod member, and a control arm being mounted on the threaded rod member;

(b) the positioning means controlling a position of the threaded rod member;

(c) the threaded locking member controlling a position of the control arm;

(d) the positioning means including a threaded base member mounted on a threaded rod;

(e) the positioning means including a first short clamping member and a first base member;

(f) the positioning means maintaining the control arm perpendicular to a central axis of the component; and

(g) the control arm serving to guide the remote controlled vehicle.

14. The single pull control horn of Claim 13 further comprising:

(a) the threaded locking member being supported by a second short clamping member while mounted on the threaded rod;

(b) the first short clamping member and the first base member being on a first side of the component;

(c) the threaded base member and the second short clamping member being on a first side of the component;

(d) the threaded rod passing through the first short clamping member, the first base member, the component, the second short clamping member, and the threaded locking member, sequentially; and

(e) the control arm being mounted on the threaded locking member.

15. The single pull control horn of Claim 14 further comprising:

(a) the first short clamping member and the second short clamping member being similar in shape;

(b) the first short clamping member having a planar surface and an opposingly located raised section; and

(c) the raised section having an outer surface that is partially spherical in shape.

16. The single pull control horn of Claim 15 further comprising:

(a) a first opening being located in the first short clamping member;

5 (b) a second opening being located in the second short clamping member;

(c) the first opening and the second opening receiving the threaded rod member;

(d) the threaded locking member having a cavity;

10 (e) the cavity being adapted to engage the raised section of the clamping member and assist with a positioning of the threaded rod;

(f) the threaded locking member having an internally threaded bore;

15 (g) the threaded rod coaxing with the internally threaded bore;

(h) the first short clamping member, the first base member, the second short clamping member, and the threaded locking member cooperating to position the threaded rod member, sequentially;

20 (i) the threaded locking member having a cavity; and

(j) the cavity being adapted to cooperate with an opposingly located raised section of the second short clamping member.

17. The single pull control horn of Claim 16 further comprising:

(a) the cavity creating a coaction between an opposingly located raised section of the second short clamping member;

5 (b) the threaded locking member having an adjustable position relative to the second short clamping member in order to position the threaded;

(c) the cavity assisting with a position of the threaded rod member; and

10 (d) the first short clamping member, the first base member, the second short clamping member, and the threaded locking member coacting to position the threaded rod member in a desired position;

15 (e) the threaded rod member being substantially perpendicular to a centerline of a component;

(f) the cavity having a tapered shape, thereby permitting the first clamping member and the second clamping to move by eliminating interference with the threaded rod;

20 (g) the first base member having a planar surface in contact with the component and an opposingly located raised section;

(h) the opposingly located raised section having an outer surface at least partially spherical in shape;

(i) the first base member having a base opening;

25 (j) the base opening extending through the base member;

(k) the base opening receiving the threaded rod therethrough;

(l) the cavity engaging the spherical outer surface of the clamping member; and

(m) the cavity engaging communicating with an internally threaded bore of the threaded rod.

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18. A method of installing a single pull control horn on a component of a radio-controlled vehicle, comprising:

(a) providing a locking member, a positioning means for a threaded rod member, and a control arm to be mounted on the threaded rod member;

30 (b) placing a first part of the positioning means on a first side of the component;

(c) placing a second part of the positioning means on a second side of the component;

35 (d) placing a fastening member sequentially through the first part, the component, and the second part;

(e) adjusting the first part and the second part in a position relative to the fastening member;

(f) controlling a position of the threaded rod member;
and

(g) securing the fastening member through the component to the first part and the second part.

25 19. The method of Claim 18 further comprising:

(a) the fastening member including a threaded rod;

(b) the second part including a threaded member with female threads and a second short clamping member ;

(c) the female threads receiving the threaded rod;

30 (d) the first part including a first short clamping member and a first base member;

(e) the positioning means maintaining the control arm

25 perpendicular to a central axis of the component; and

(f) the second part including a threaded locking member and second short clamping member while mounted on the threaded rod.

20. The method of Claim 19 further comprising:

30 (a) the fastening member including a threaded locking member;

(b) the control arm being mounted on the threaded locking member.

35 (c) the first short clamping member and the second short clamping member being similar in shape;

(d) the first short clamping member having a planar surface and an opposingly located raised section; and

(e) the raised section having an outer surface that is partially spherical in shape.